

REMARKS

Favorable action is respectfully requested.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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RMA:tas

MARKED-UP VERSION OF REPLACEMENT CLAIMS

Claims 1-6 are unchanged.

7. (Amended) Reception method according to ~~any one of~~ claims 3 ~~to~~ 5, characterised in that said weighting matrix is determined with the aid of an iterative procedure implementing a gradient algorithm.

8. (Amended) Reception method according to ~~any one of~~ claims 1 ~~to~~ 7, of the type implementing a multi-user detection technique, according to which the different spread codes of the multiple users are known from the receiver, characterised in that the same equalisation technique is also used in a stage for annulment of multiple access interference.

Claim 9 is unchanged.

10. (Amended) Reception method according ~~one or the other of~~ to claims 8 ~~and~~ 9, characterised in that it implements:

- an initial stage producing an estimate of multi-user interference;
- a subtraction stage of said estimate of multi-user interference from the received signal;
- an equalisation stage on the corrected signal thus obtained.

11. (Amended) Equalisation method implemented in the reception method according to ~~any one of~~ claims 1 ~~to~~ 10.

12. (Amended) Reception device implementing the method according to ~~any one of~~ claims 1 ~~to~~ 11.